Performance Data Sheet

AEA1336AXA

General Information

Model	AEA1336AXA	**Refrigerant**	R-12
Test Condition	ASHRAE	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	32.2°C (90°F) RETURN GAS	**Motor Type**	RSIR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
-40	Btu/h	178	165	153	141	130	119	111
	Watts	86.0	82.6	80.2	78.3	76.7	75.1	73.0
	Amps	1.45	1.46	1.46	1.46	1.45	1.44	1.43
	Lb/h	3.28	2.86	2.50	2.21	2.01	1.88	1.83
-35	Btu/h	215	201	187	173	160	148	136
	Watts	91.9	88.9	86.8	85.3	84.0	82.5	80.6
	Amps	1.48	1.49	1.50	1.49	1.49	1.48	1.47
	Lb/h	3.74	3.35	3.00	2.72	2.49	2.33	2.24
-30	Btu/h	256	241	226	210	196	181	168
	Watts	98.0	95.3	93.6	92.4	91.4	90.3	88.6
	Amps	1.52	1.53	1.53	1.53	1.53	1.52	1.51
	Lb/h	4.29	3.92	3.59	3.31	3.07	2.87	2.73
-25	Btu/h	302	286	270	253	237	220	205
	Watts	104	102	101	99.9	99.2	98.3	97.0
	Amps	1.55	1.56	1.57	1.57	1.57	1.56	1.55
	Lb/h	4.92	4.59	4.27	3.99	3.73	3.50	3.31
-20	Btu/h	353	336	319	301	283	266	248
	Watts	111	109	108	108	107	107	106
	Amps	1.59	1.60	1.61	1.61	1.61	1.60	1.60
	Lb/h	5.65	5.35	5.05	4.76	4.49	4.23	3.99
-15	Btu/h	410	392	374	356	336	317	298
	Watts	117	116	116	116	116	116	115
	Amps	1.62	1.64	1.65	1.65	1.65	1.65	1.65
	Lb/h	6.48	6.21	5.93	5.64	5.35	5.06	4.78
-10	Btu/h	472	455	436	416	396	375	354
	Watts	124	124	124	124	125	125	124
	Amps	1.66	1.68	1.69	1.70	1.70	1.70	1.70
	Lb/h	7.43	7.19	6.92	6.64	6.33	6.01	5.68
-5	Btu/h	541	523	504	483	462	439	417
	Watts	132	131	132	133	134	135	135
	Amps	1.70	1.72	1.74	1.75	1.75	1.75	1.75
	Lb/h	8.49	8.28	8.03	7.75	7.42	7.07	6.69

0	Btu/h	616	598	578	557	534	511	487
	Watts	139	140	141	142	144	145	145
	Amps	1.75	1.77	1.79	1.80	1.81	1.81	1.81
	Lb/h	9.68	9.50	9.27	8.98	8.64	8.26	7.83
5	Btu/h	697	679	659	638	615	590	565
	Watts	148	149	150	152	154	156	156
	Amps	1.79	1.82	1.84	1.86	1.87	1.87	1.88
	Lb/h	11.0	10.8	10.6	10.3	9.99	9.58	9.10
10	Btu/h	786	768	748	726	702	677	651
	Watts	156	158	160	162	165	167	168
	Amps	1.84	1.87	1.90	1.92	1.93	1.94	1.95
	Lb/h	12.4	12.3	12.1	11.8	11.5	11.0	10.5

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	6.630497E+02	2.025358E+02	1.043858E+00	8.641729E+00
C2	1.401214E+01	4.016664E-01	3.707903E-03	8.595710E-02
C3	8.177063E-01	-1.946025E+00	1.646813E-02	4.422059E-02
C4	1.108184E-01	4.090477E-03	1.939028E-05	2.569740E-03
C5	4.035785E-02	1.753005E-02	7.134745E-05	3.301148E-03
C6	-2.136453E-02	1.910286E-02	-1.201264E-04	-4.366704E-04
C7	3.813999E-04	5.099146E-05	6.006771E-07	8.850334E-06
C8	2.795675E-04	5.274075E-05	5.625175E-07	3.993816E-07
C9	-2.478221E-04	-3.437821E-05	-5.834251E-08	-1.566970E-05
C10	4.684184E-05	-5.807787E-05	2.986354E-07	5.682146E-07

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature